

What is claimed is:

1. A single bladed ceiling fan comprising:
  - a motor;
  - a shaft operationally connected to the motor;
  - a motor housing supported by the shaft; and
  - a fan blade extending from the housing;wherein at least a portion of the fan blade is coincident with the housing.
2. A single bladed ceiling fan comprising:
  - a motor;
  - a shaft connected to the motor;
  - a motor housing supported by the shaft;
  - a fan blade extending from the housing; and
  - stabilizing means extending from the housing for stabilizing the rotating weight of the blade upon rotation of the fan;wherein the stabilizing means depends from the fan blade.
3. The single bladed ceiling fan of Claim 2 wherein the fan blade and the housing are coincident.

4. The single bladed ceiling fan of Claim 2 wherein the blade further comprises:

an elongated arcuate body having a hollow end with an opening;

and

a blade end positioned opposite the hollow end.

5. The single bladed ceiling fan of Claim 4 wherein the fan blade and the housing are coincident, and wherein the hollow end and the blade end extend from generally opposing sides of the housing.

6. The single bladed ceiling fan of Claim 4 further comprising a cover for covering the opening.

7. The single bladed ceiling fan of Claim 5 wherein the fan blade has a leading edge that progressively tapers from the hollow end to the blade end.

8. The single bladed ceiling fan of Claim 6 wherein the fan blade has a leading edge that progressively tapers from the hollow end to the blade end.

9. A blade mounting arrangement for a ceiling fan of the type that typically includes a downrod for supporting the fan from the ceiling, a motor, a shaft coupled to the motor for turning the shaft about the shaft's longitudinal axis, and fan blades mounted for rotation to the fan at spaced positions circumscribing the shaft, wherein, upon rotation, the blades define a circle of rotation, and the fan achieves a center of rotational gravity that lies on the shaft's longitudinal axis as a result, the blade mounting arrangement comprising:

a first fan blade connected for rotation to the fan and extending in one semicircle of rotation, wherein upon rotation of the fan, a center of rotational gravity is produced which lies outside the vertical axis of the rotating fan.

10. The blade mounting arrangement of Claim 9 further comprising a stabilizing member extending from the fan in a second semicircle of rotation relative to the first fan blade, wherein the stabilizing member stabilizes the rotating weight of the first fan blade upon rotation of the fan such that the center of rotational gravity of the fan is coincident with the longitudinal axis of the shaft.

11. The blade mounting arrangement of Claim 10 further comprising a second fan blade connected for rotation to the fan and extending from the fan and arranged in the one semicircle of rotation, wherein the stabilizing member stabilizes the rotating weight of the first and the second fan blades upon rotation of the fan such that the center of rotational gravity of the fan is coincident with the longitudinal axis of the shaft.

12. The blade mounting arrangement of Claim 9 further comprising a plurality of fan blades connected for rotation to the fan and extending from the fan in the one semicircle of rotation, wherein the stabilizing member stabilizes the rotating weight of the plurality of fan blades upon rotation of the fan such that the center of rotational gravity of the fan lies on the longitudinal axis of the shaft.

13. The blade mounting arrangement of Claim 11 further comprising a motor housing supported by the shaft, the housing has an upper casing and a lower casing, wherein the lower casing is free to rotate about the longitudinal axis relative to the upper casing.

14. The blade mounting arrangement of Claim 11 further comprising first and second stabilizing members extending from the shaft in the second semicircle of rotation, wherein the first and second stabilizing members stabilize the rotating weight of the first and second fan blades upon rotation of the fan such that the center of rotational gravity of the fan lies on the longitudinal axis of the shaft.

15. The blade mounting arrangement of Claim 13 wherein the upper casing has an air duct formed therein.

16. The blade mounting arrangement of Claim 13 wherein the lower casing has an air duct formed therein.

17. The blade mounting arrangement of Claim 15 further comprising at least one bore extending through the exterior surface of the upper casing for accommodating a light bulb socket in which resides a light bulb, wherein the light bulb is contained substantially within the housing and provides illumination upwardly through the bore.

18. The blade mounting arrangement of Claim 16 further comprising at least one bore extending through the exterior surface of the upper casing for accommodating a light bulb socket in which resides a light bulb, wherein the light bulb is contained substantially within the housing and provides illumination upwardly through the bore.

19. A single bladed ceiling fan comprising:

- a motor;
- a rotatable shaft connected to the motor;
- a motor housing supported by the shaft; and
- a fan blade extending from the housing;

wherein at least a portion of the fan blade is coincident with the housing; and

wherein the blade further comprises an elongated arcuate body that tapers from one end to its other end.

20. A single bladed ceiling fan comprising:  
a motor;  
a rotatable shaft connected to the motor;  
a motor housing supported by the shaft; and  
a fan blade extending from the housing;  
wherein at least a portion of the fan blade is coincident with the  
housing, and  
wherein the fan blade has a cross-section that progressively tapers  
from a leading edge to a trailing edge.

21. The single bladed ceiling fan of Claim 20 wherein the blade further  
comprising an elongated arcuate body that tapers from one end to its other end.

22. A single bladed ceiling fan comprising:  
a motor;  
a rotatable shaft connected to the motor;  
a motor housing supported by the shaft; and  
a fan blade extending from the housing;  
wherein at least a portion of the fan blade is coincident with the  
housing;  
wherein the housing further comprises an upper casing and a lower  
casing; and  
wherein the lower casing is free to rotate about an axis relative to  
the upper casing.

23. The single bladed ceiling fan of Claim 22 wherein the blade further comprising an elongated arcuate body that tapers from one end to its other end.

24. The single bladed ceiling fan of Claim 23 wherein the upper casing has an air duct formed therein.

25. The single bladed ceiling fan of Claim 23 wherein the lower casing has an air duct formed therein.

26. The single bladed ceiling fan of Claim 24 further comprising at least one bore extending through the exterior surface of the upper casing for accommodating a light bulb socket in which resides a light bulb, wherein the light bulb is contained substantially within the housing and provides illumination upwardly through the bore.

27. The single bladed ceiling fan of Claim 25 further comprising at least one bore extending through the exterior surface of the upper casing for accommodating a light bulb socket in which resides a light bulb, wherein the light bulb is contained substantially within the housing and provides illumination upwardly through the bore.

28. The single bladed ceiling fan of Claim 27 wherein the upper casing has an air duct formed therein.

29. A blade mounting arrangement for a ceiling fan having a downrod for supporting the fan from the ceiling, a motor, a shaft connected to the motor and defining a longitudinal axis, a motor housing supported by the shaft, and fan blades mounted for rotation to the fan at spaced positions circumscribing the shaft, wherein, upon rotation, the blades define a circle of rotation, and the fan achieves a center of rotational gravity that lies on the shaft's longitudinal axis as a result, the blade mounting arrangement comprising:

at least two fan blades connected for rotation to the fan and extending in one semicircle of rotation; and

a stabilizing member extending from the fan in a second semicircle of rotation relative to the at least two fan blades;

wherein the stabilizing member stabilizes the rotating weight of the blades upon rotation of the fan such that the center of rotational gravity of the fan lies on the longitudinal axis of the shaft; and

wherein the at least two fan blades further comprise an elongated arcuate body that tapers from one end to the other.

30. The blade mounting arrangement of Claim 29 wherein each of the at least two fan blades has a cross-section that progressively tapers from a leading edge to a trailing edge.



31. The blade mounting arrangement of Claim 29 further comprising a motor housing supported by the shaft, the housing having an upper casing and a lower casing, wherein the lower casing is free to rotate about the longitudinal axis relative to the upper casing.

32. The blade mounting arrangement of Claim 30 wherein each of the at least two blades further comprising an elongated arcuate body that tapers from one end to its other end.

33. The blade mounting arrangement of Claim 31 wherein each of the at least two blades further comprising an elongated arcuate body that tapers from one end to its other end.

34. The blade mounting arrangement of Claim 33 wherein the upper casing has an air duct formed therein.

35. The blade mounting arrangement of Claim 33 wherein the lower casing has an air duct formed therein.

36. The blade mounting arrangement of Claim 34 further comprising at least one bore extending through the exterior surface of the upper casing for accommodating a light bulb socket in which resides a light bulb, wherein the light bulb is contained substantially within the housing and provides illumination upwardly through the bore.

37. The blade mounting arrangement of Claim 35 further comprising at least one bore extending through the exterior surface of the upper casing for accommodating a light bulb socket in which resides a light bulb, wherein the light bulb is contained substantially within the housing and provides illumination upwardly through the bore.

38. The blade mounting arrangement of Claim 37 wherein the upper casing has an air duct formed therein.

39. A blade mounting arrangement for a ceiling fan of the type that typically includes a downrod for supporting the fan from the ceiling, a motor, a shaft rotatably connected to the motor and defining a longitudinal axis, a motor housing supported by the shaft, and fan blades mounted for rotation to the fan at spaced positions circumscribing the shaft, wherein, upon rotation, the blades define a circle of rotation, and the fan achieves a center of rotational gravity that lies on the shaft's longitudinal axis as a result, the blade mounting arrangement comprising:

at least two fan blades connected for rotation to the fan and extending in one semicircle of rotation;

a stabilizing member extending from the fan in a second semicircle of rotation relative to the at least two fan blades, wherein the stabilizing member stabilizes the rotating weight of the blades upon rotation of the fan such that the center of rotational gravity of the fan lies on the longitudinal axis of the shaft; and

the at least two fan blades having a cross-section that progressively tapers from a leading edge to a trailing edge.

40. A blade mounting arrangement for a ceiling fan of the type that typically includes a downrod for supporting the fan from the ceiling, a motor, a shaft rotatably connected to the motor so that the motor can turn the shaft about the shaft's longitudinal axis, a motor housing supported by the shaft, and fan blades mounted for rotation to the fan at spaced positions circumscribing the shaft, wherein, upon rotation, the blades define a circle of rotation, and the fan achieves a center of rotational gravity that lies on the shaft's longitudinal axis as a result, the blade mounting arrangement comprising:

at least two fan blades asymmetrically connected for rotation to the fan and extending in one semicircle of rotation;

a stabilizing member extending from the fan in a second semicircle of rotation relative to the at least two fan blades, wherein the stabilizing member stabilizes the rotating weight of the blades upon rotation of the fan such that the center of rotational gravity of the fan lies on the longitudinal axis of the shaft; and,

a motor housing supported by the shaft, the housing having an upper casing and a lower casing, wherein the lower casing is free to rotate about the longitudinal axis relative to the upper casing.

41. A single bladed ceiling fan comprising:

- a fan motor;
- a shaft rotatably connected to the motor;
- a motor housing substantially enclosing the motor;
- a single fan blade extending from the housing; and
- a non-blade stabilizer extending from the housing;

wherein the non-blade stabilizer stabilizes the rotating weight of the single fan blade upon actuation of the motor.

42. The single bladed ceiling fan of claim 41, wherein the stabilizing means depends from the fan blade.

43. An asymmetrically bladed ceiling fan comprising:

- a fan motor;
- a shaft rotatably connected to the motor and defining a vertical axis;
- a motor housing substantially enclosing the motor;
- a first fan blade extending from the housing;
- a second fan blade extending from the housing; and
- a first non-blade stabilizer extending from the housing for stabilizing the rotating weight of the fan blades upon actuation of the motor;

wherein the stabilizer is non-coincident with the first fan blade;

wherein the stabilizer is non-coincident with the second fan blade;

and

wherein the first and second fan blades are asymmetrically positioned relative the vertical axis.

44. The asymmetrically bladed ceiling fan of claim 43 further comprising

a second non-blade stabilizer extending from the housing for stabilizing the rotating weight of the fan blades upon actuation of the motor.

45. An asymmetrically bladed ceiling fan comprising:

- a fan motor;
- a shaft rotatably connected to the motor and defining a vertical axis;
- a motor housing substantially enclosing the fan motor;
- a first fan blade extending from the housing;
- a second fan blade extending from the housing; and
- a first non-blade stabilizer extending from the housing;

wherein the fan motor is spaced from the ceiling; and

wherein the first and second fan blades intersect nonlinearly.

46. The asymmetrically bladed ceiling fan of claim 45 wherein the stabilizer is non-coincident with the first fan blade and wherein the stabilizer is non-coincident with the second fan blade.

47. The asymmetrically bladed ceiling fan of claim 45 wherein the first non-blade stabilizer stabilizes the rotating weight of the fan blades upon actuation of the motor.